M. A. R. 57 (Rule 116) No. B

Measurement Book 190013

Bill No. 1st and final.

Serial No. ....

Name of work Grnp to Roads and drains at Jems layout in W.No. (E). From ..... To .....

Name of Contractor of nature of Agency..... Technical manager K.R.I.D.L. BR-247/31-7-14

Date of commencement of work.....

Date 1	Full description, etc, of work 2	Number 3	Dimensions Length 4	Breadth 5	Depth 6	Contents 7	Reference to last Measurement 8
	Work code No: 006-14-0000361						
	Work order No: 395/21-02-2014						
	Est Amt Rs: 20.00 lakhs						
	Date of Recording: 14-7-2014.						
	I. No. (1):— Earthwork excavation by manual means in hard soil involving an average horizontal through up to 2.00 mtr. average lift upto 0.50 m.						
	Desilting of drain						
	Jems Layout main Road	2	30.00	0.60	0.45	16.20	
		2	30.00	0.60	0.35	12.60	
		2	30.00	0.60	0.45	16.20	
		2	10.60	0.60	0.45	5.72	

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	Berm Cutting	2	30.00	0.90	0.40	21.60	
		2	30.00	1.00	0.30	18.00	
		2	30.00	1.20	0.25	18.00	
		2	10.60	1.00	0.20	4.24	
	Jems for c.c. drain Layout Road	1	30.00	1.20	0.90	32.40	
		1	30.00	1.20	0.90	32.40	
		1	60.00	1.20	0.90	64.80	
		1	60.00	1.20	0.90	64.80	
		1	4.90	1.20	0.90	5.29	
	Jems Layout Culverts No①	1	6.21	2.00	1.20	14.88	
	1st cross —"— ②	1	6.00	2.00	1.20	14.40	
	18th cross —"— ③	1	6.50	2.00	1.20	15.60	

c&p-c. mor 14/7/17

ಬ್ಯಾಟರಾಯನಪುರ ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರರ ಉಪವಿಭಾಗ, ಬೆಂಗಳೂರು

M. A. I
Mea

Serial No. .....

Name of work ..... From

Name of Contractor of nature of Agency.....

Date of commencement of work.....

Date	Full description, etc, of work	Number
1	2	3
	18th cross	1
	cross Road	1
	② Providing and laying in positi using 1:2:4 mm and down size	
	Jems to for c.c. drain	1
	Road	1
		1
		1

IT BOOK

Dimensions		Contents	Reference to last Measurement
Breadth 5	Depth 6	7	8
0.90	0.40	21.60	
1.00	0.30	18.00	
1.20	0.25	18.00	
1.00	0.20	4.24	
1.20	0.90	32.40	
1.20	0.90	32.40	
1.20	0.90	64.80	
1.20	0.90	64.80	
1.20	0.90	5.29	
2.00	1.20	14.88	
2.00	1.20	14.40	
2.00	1.20	15.60	

c&P-C. mgr 14/7/17

ಮ್ಯಾಪಲಾಯನಮರ ಉಪ ವಿಭಾಗ, ಬೆಂಗಳೂರು

M. A. R. 57 (Rule 116)
Measurement Book

No. B

190014

Serial No. .....
Name of work ..... From ..... To .....
Name of Contractor of nature of Agency.....
Date of commencement of work.....

Date 1	Full description, etc, of work 2	Number 3	Dimensions: Length 4	Breadth 5	Depth 6	Contents 7	Reference to last Measurement 8
	18th cross cross Road	1	6.00	2.00	1.20	14.40	
		1	6.70	2.00	1.20	16.08	
						373.20 Cum	
					Rate	90.72/cu	33857=00.
(5)	Providing and laying in position c.c. 9 mix M.7.5 with OPC Cement using 40mm and down size graded granite metal for foundation bet. Items to for c.c. drain Road	1	30.00	0.90	0.15	4.05	
		1	30.00	0.90	0.15	4.05	
		1	60.00	0.90	0.15	4.05	
		1	60.00	0.90	0.15	4.05	

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
		1	4.90	1.80	0.15	1.32	
	Culverts ①	1	6.20	1.80	0.15	1.67	
		1	6.00	1.80	0.15	1.62	
		1	6.50	1.80	0.15	1.76	
		1	6.00	1.80	0.15	1.62	
		1	6.70	1.80	0.15	1.81	
						31.10 Cum	
						@ 4290.84	1,33,445=00
(3)	Providing and Constructing granite/ basalt/ dige stone [illegible] in Super Structure with CM 1:6						

ಸಹಾಯಕ ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರರು
ಕರ್ನಾಟಕ ಪಾಟೀಲರಾಯನಪುರ ಉಪ ವಿಭಾಗ
ಪೀಣ್ಯ ಬೆಂಗಳೂರು-24

Measurements Contd: 20-7-14

ಸಹಾಯಕ ಅಭಿಯಂತರರು/14

Serial No. .....
Name of work ..... Fro
Name of Contractor of nature of Agency.....
Date of commencement of work.....

Date	Full description, etc, of work	Numbe
1	2	3
	Culverts ①	2
	—"— ②	2
	—"— ③	2
	—"— ④	2
	—"— ⑤	2
(4)	Providing Raled pointing to [illegible] after Racking joints	

NT BOOK

Dimensions			Contents	Reference to last Measurement
	Breadth	Depth		
	5	6	7	8
2	1.80	0.15	1.32	
0	1.80	0.15	1.67	
	1.80	0.15	1.62	
	1.80	0.15	1.76	
	1.80	0.15	1.62	
	1.80	0.15	1.81	
			31.10 Cum	
			Qty: 4290.84 Kg	1,33,445=01
-7-14,				

M. A. R. 57 (Rule 116)
Measurement Book

No. B

190015

Serial No. .....

Name of work ..... From ..... To .....

Name of Contractor of nature of Agency.....

Date of commencement of work.....

Date	Full description, etc, of work	Number	Dimensions			Contents	Reference to last Measurement
			Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	Culverts ①	2	6.20	0.60	0.90	6.70	
	-"- ②	2	6.00	0.60	0.90	6.48	
	-"- ③	2	6.50	0.60	0.90	7.02	
	-"- ④	2	6.00	0.60	0.90	6.48	
	-"- ⑤	2	6.70	0.60	0.90	7.24	
						33.48 Cum	
						Qty: 4423.68 Kg	14805=00
	④ Providing Raked pointing to coursed Rubble masonry with cm 1:3 20 mm deep after Racking joints						

Basalt/ Laterite stone ... ಉಪ ವಿಭಾ

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	Culvert No (1)	2	6.20	-	0.90	11.16	
	—u— (2)	2	6.00	-	0.90	10.80	
	—u— (3)	2	6.50	-	0.90	11.70	
	—u— (4)	2	6.00	-	0.90	10.80	
	—u— (5)	2	6.70	-	0.90	12.06	
						55.80 Cu.M	
						@ Rs: 77.76/Cu.M	4339-00.
(5)	Providing and laying in Removing centring Sheltering & Stacutting Propping etc, and Removal of form work for vertical surface.						
	Jems Rice drains Sidewall Layout Road	1x4	30.00	-	0.60	72.00	
		1x	30.00	-	0.60	72.00	

Serial No. .....

Name of work ..... F

Name of Contractor of nature of Agency.....

Date of commencement of work.....

Date	Full description, etc, of work	Numb
1	2	3
		1x
		1x
		1x
		1x
		1x
	Culverts Bottom	1
		1
		1
		1

BOOK

ions		Contents	Reference to last Measurement
Breadth 5	Depth 6	7	8
–	0.90	11.16	
–	0.90	10.80	
–	0.90	11.70	
–	0.90	10.80	
–	0.90	12.06	
		55.80 cu.m	
		@: 77.76/-	4339-00.
Centring Sheltering & Shuttering for vertical surface.			
–	0.60	72.00	
–	0.60	72.00	

M. A. R. 57 (Rule 116)
Measurement Book

No. B

190016

Serial No. ..... From ..... To .....

Name of work .....

Name of Contractor of nature of Agency.....

Date of commencement of work.....

Date 1	Full description, etc, of work 2	Number 3	Dimensions: Length 4	Breadth 5	Depth 6	Contents 7	Reference to last Measurement 8
		1 x 4	30.00	–	0.60	72.00	
		1 x 4	30.00	–	0.60	72.00	
		1 x 4	30.00	–	0.60	72.00	
		1 x 4	30.00	–	0.60	72.00	
		1 x 4	4.90	–	0.60	11.76.	
	Culverts. Bottom	1	6.20	0.60	–	3.72	
		1	6.00	0.60	–	3.60	
		1	6.50	0.60	–	3.90	
		1	6.00	0.60	–	3.60	

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	Sides	1	6.70	0.60	–	4.02	
		2	6.20	–	0.25	3.10	
		2	6.00	–	0.25	3.00	
		2	6.50	–	0.25	3.25	
		2	6.00	–	0.25	3.00	
		2	6.70	–	0.25	3.35	
		2×5	1.80	–	0.25	4.50	
						482.60	
					Cu:	271.08/Cu	130823:01
(6)	Providing and laying in position plain cement Concrete of mix M-15 with 20mm and down size graded granite metal.						

Serial No. .....
Name of work ..... F
Name of Contractor of nature of Agency.....
Date of commencement of work.....

Date	Full description, etc, of work	Num
1	2	3
	Sides to Culvert bed. (1)	1
	1st cross –"– (2)	1
	18th cross –"– (3)	1
	18th cross –"– (4)	
	cross Road –"– (5)	
	Sides (1)	
	(2)	

T BOOK

nsions		Contents	Reference to last Measurement
Breadth 5	Depth 6	7	8
0.60	–	4.02	
–	0.25	3.10	
–	0.25	3.00	
–	0.25	3.25	
–	0.25	3.00	
–	0.25	3.35	
–	0.25	4.50	
		482.60	
		Say: 271.08/Cu	130823.01

lain cement Concrete 4 mix 0.15
d granite metal.

M. A. R. 57 (Rule 116)
Measurement Book

No. B

190017

Serial No. ..... From ..... To .....

Name of work .....

Name of Contractor of nature of Agency.....

Date of commencement of work.....

Date 1	Full description, etc, of work 2	Number 3	Dimensions Length 4	Breadth 5	Depth 6	Contents 7	Reference to last Measurement 8
	Jcms Lo Culvert bed. ①	1	6.20	1.80	0.10	1.12	
	1st cross – " – ②	1	6.00	1.80	0.10	1.08	
	18th cross – " – ③	1	6.50	1.80	0.10	1.17	
	18th cross – " – ④	1	6.00	1.80	0.10	1.08	
	cross Road – " – ⑤	1	6.70	1.80	0.10	1.21	
	Sides ①	2	6.20	1.00	0.15	1.86	
	②	2	6.00	1.00	0.15	1.80	

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	Culvert No. (3)	2	6.50	1.00	0.15	1.95	
	-"- (4)	2	6.00	1.00	0.15	1.80	
	-"- (5)	2	6.70	1.00	0.15	2.01	
						14.88 Cum	
					Qty:	4779.00 Sq	₹ 1112=00.
(7)	Providing T.M.T. Steel Reinforcement for R.C.C. works Premeasurements duly vide P. No. 190090 to 91 is claimed					64.00 Kgs.	
					Qty	7450.92 Kgs	476851=00
(8)	Scarifying existing stone metal layer upto 75mm thick along with their bituminous Surface.						

M.

Serial No. .....

Name of work .....

Name of Contractor of nature of Agency.....

Date of commencement of work.....

Date	Full description, etc, of work	Num
1	2	
	Jems Layout Main Road	
(10)	Providing Spread	

T BOOK

nsions		Contents	Reference to last Measurement
Breadth 5	Depth 6	7	8
1.00	0.15	1.95	
1.00	0.15	1.80	
1.00	0.15	2.01	
		14.88 Cum	
		@ 4779.00 /cy	₹ 1112=00.
ent for R-C-C. works			
0.190090 to 91 is claimed			
		64.00 Cfts.	
		@ ₹ 4450.92 /Cfts.	4 6 8 5 1=00
r upto 75mm thick along with 15			

M. A. R. 57 (Rule 116)
Measurement Book

No. B

190013

Serial No. .....

Name of work ..... From ..... To .....

Name of Contractor of nature of Agency.....

Date of commencement of work.....

Date 1	Full description, etc, of work 2	Number 3	Dimensions Length 4	Breadth 5	Depth 6	Contents 7	Reference to last Measurement 8
	Jems Layout Main Road	1	30.00	$\frac{5.2+5.00}{2}$	–	153.00	
		1	30.00	$\frac{5.0+5.1}{2}$	–	151.50	
		1	30.00	$\frac{5.10+4.9}{2}$	–	150.00	
		1	10.60	$\frac{4.9+5.2}{2}$	–	53.53	
						500.00 Sqm	
					@ Rs:	72.79/Sqm	36395=00
(10)	providing laying Spreading and Compacting graded Stone aggregate						

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	to wet mix macadam Specification including premixing the material with water at one						
		1	30.00	$\frac{5.2+5.0}{2}$	0.20	30.60	
		1	30.00	$\frac{5.0+5.1}{2}$	0.20	30.30	
		1	30.00	$\frac{5.1+4.9}{2}$	0.20	30.00	
		1	30.00	$\frac{4.9+5.1}{2}$	0.20	30.00	
						112.00 Cum	
					Cft.	1121.04/Cft	125556-00
	Measurements Checked on: 30.7.2014						
(11)	Providing and laying in position Reinforced cement Concrete of mix M. 20 OPC Cement 320 kgs with 20 mm and down size.						

C.C. drain bed

Side walls

Serial No. .....

Name of work .....

Name of Contractor of nature of Agency.....

Date of commencement of work.....

Date	Full description, etc, of work	Num
1	2	3

T BOOK

nsions		Contents	Reference to last Measurement
Breadth 5	Depth 6	7	8
uding	pre mixing the material		
5.2+5.0 / 2	0.20	30.60	
5.0+5.1 / 2	0.20	30.30	
5.1+4.9 / 2	0.20	30.00	
4.9+5.1 / 2	0.20	30.00	
		112.00 Cum	
	Cft.	1121.04/Cft	125556.00

ಠ: 30-7-2016

Reinforced cement concrete with 20 mm and down size.

ಸಹಾಯಕ ಅಭಿಯಂತರರು 30/7/16
ಬ್ಯಾಟರಾಯನಪುರ ಉಪ ವಿಭಾ

M. A. R. 57 (Rule 116)
Measurement Book

No. B

190019

erial No. .....

ame of work ..... From ..... To .....

ame of Contractor of nature of Agency.....

ate of commencement of work.....

Date 1	Full description, etc, of work 2	Number 3	Dimensions Length 4	Breadth 5	Depth 6	Contents 7	Reference to last Measurement 8
	C.C. drain bed	1	30.00	0.90	0.15	4.05	
		1	30.00	0.90	0.15	4.05	
		1	30.00	0.90	0.15	4.05	
		1	30.00	0.90	0.15	4.05	
		1	30.00	0.90	0.15	4.05	
		1	30.00	0.90	0.15	4.05	
		1	4.90	0.90	0.15	0.60	
	Side walls	2	30.00	0.15	0.60	5.40	
		2	30.00	0.15	0.60	5.40	

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
		2	30.00	0.15	0.65	5.85	
		2	30.00	0.15	0.60	5.40	
		2	30.00	0.15	0.55	4.95	
		2	30.00	0.15	0.60	5.40	
		2	4.90	0.15	0.60	0.88	
	Culvert Deck portion	1	6.20	1.80	0.23	2.57	
		1	6.00	1.80	0.23	2.48	
		1	6.50	1.80	0.23	2.69	
		1	6.00	1.80	0.23	2.48	
		1	6.70	1.80	0.23	2.77	
						71.11 Cum	
					Cost:	5639.76/-	

C&FC

30/7/2014

S.R. (25.0) 40143.00

Serial No. .....

Name of work ..... F

Name of Contractor of nature of Agency.....

Date of commencement of work.....

Date	Full description, etc, of work	Num
1	2	3
12	Cleaning in Existing NBM & materials and other foreign Jems Layout main Road	

NT BOOK

ensions		Contents	Reference to last Measurement
Breadth 5	Depth 6	7	8
0.15	0.65	5.85	
0.15	0.60	5.40	
0.15	0.55	4.95	
0.15	0.60	5.40	
0.15	0.60	0.88	
1.80	0.23	2.57	
1.80	0.23	2.48	
1.80	0.23	2.69	
1.80	0.23	2.48	
1.80	0.23	2.77	
		71.11 Cum	
	Cr:	5639.76/-	

C&FI of 30/7/2014 M.B. (Pg.No.) 40 1043.00

M. A. R. 57 (Rule 116)
Measurement Book

No. B

190020

erial No. .....

ame of work ..... From ..... To .....

ame of Contractor of nature of Agency.....

ate of commencement of work.....

Date 1	Full description, etc, of work 2	Dimensions: Number 3	Length 4	Breadth 5	Depth 6	Contents 7	Reference to last Measurement 8
(12)	Cleaning in Existing WBM Road Surface including Removing of binding materials and other foreign matter.						
	Jeans Layout main Road	1	30.00	$\frac{5.2+5.0}{2}$	–	153.00	
		1	30.00	$\frac{5.0+5.1}{2}$	–	151.50	
		1	30.00	$\frac{5.1+4.9}{2}$	–	150.00	
		1	10.60	$\frac{4.9+5.2}{2}$	–	53.53	
						500.00 Sqm	
					Cr:	10.53/Sq.m	5265.00.

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
(13)	providing and applying primer coat from 12-2 to 14-6 kg per 10 sqm for surface of high porosity over prepared surface.						
	Qty same vide I-No. (12)					500.00	
						Rs: 142.07/sqm	71035m
(14)	Providing and laying Semi dense bituminious Concrete 25 mm thick with 100-120 TPH batch type HMP producing an average out put of 75 Tonnes.						
	Jems Layout Main Road	1	30.00	$\frac{5.2+5.0}{2}$	0.025	3.83	
		1	30.00	$\frac{5.0+5.1}{2}$	0.025	3.79	
		1	30.00	$\frac{5.1+4.9}{2}$	0.025	3.75	
		1	10.60	$\frac{4.9+5.2}{2}$	0.025	1.34	
						12.50	

Serial No. .....
Name of work .....
Name of Contractor of nature of Agency.....
Date of commencement of work.....

Date	Full description, etc, of work	Num
1	2	
(15)	Lead for disposal of deb	
	Qty same o	
		A
		A
	Certificate	
	certified that the abo	

NT BOOK

mensions			Contents	Reference to last Measurement
n	Breadth 5	Depth 6	7	8
t from 12.2 to 14.6 kg per 10 sqm				
pared surface.			500.00	
			@: 142.07/sqm	71035=00
bituminious Concrete 25mm				
HMP producing an average out				
00 5.2+5.0 / 2		0.025	3.83	
00 5.0+5.1 / 2		0.025	3.79	
00 5.1+4.9 / 2		0.025	3.75	
0 4.9+5.2 / 2		0.025	1.34	
			12.50	

M. A. R. 57 (Rule 116)
Measurement Book

No. B

190021

Serial No. ..... From ..... To .....

Name of work .....

Name of Contractor of nature of Agency.....

Date of commencement of work.....

Date 1	Full description, etc, of work 2	Number 3	Dimensions Length 4	Breadth 5	Depth 6	Contents 7	Reference to last Measurement 8
						12.50 Cum	
					@:	9981.35/M	124767=00.
	(15) Lead for disposal of debries @ty Sameside I.NO. (1)	—				998.56 Cum	
					@:	72.71/cum	21708=00.
							1784301=00.
	Add KRIDL charges	—				11 %	— 196273=00.
	Add @c charges	—				1 %	— 17843=00
							1998417=00
	Certificate Certified that the above work done satisfactorily					K Ramayya	1980583=00

ಸಹಾಯಕ ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರರು
ಬ್ಯಾಟರಾಯನಪುರ ಉಪ ವಿಭಾಗ
ಬೆಂಗಳೂರು-24

ಸಹಾಯಕ ಅಭಿಯಂತರರು 30/7/14.
ಬ್ಯಾಟರಾಯನಪುರ ಉಪ ವಿಭಾಗ

NT BOOK

Dimensions		Contents	Reference to last Measurement
Breadth 5	Depth 6	7	8

Location of work done Spot :-

18th cross

ASHPhalt Work
culverts

To Kodigehaalli Gate

Upakaari Abhiyantharu 30/7/14
Chatarayanapura Upa Vibhaga

M. A. R. 57 (Rule 116)
Measurement Book

No. B

190022

Serial No. .....
Name of work ..... From ..... To .....
Name of Contractor of nature of Agency.....
Date of commencement of work.....

Date 1	Full description, etc, of work 2	Number 3	Dimensions Length 4	Breadth 5	Depth 6	Contents 7	Reference to last Measurement 8
	ಮುಖ್ಯ ಮೊಬಲಗು ರೂ 1980583=00 ಇದರಲ್ಲಿ ಹಣ ಹಿಂತಿರಿಗಿ : ಇದುವರೆಗೆ ರೂ 288539=00 ಮುಂದಿನಕಡೆ ಸಾಗಿಸಿಕೊಂಡು ಉಳಿದ ಮೊಬಲಗು ರೂ 1692044=00 ಈ ಮುಂದಿನ ಪ್ರತಿಬರಹಗಳಿಗೆ ತಾಂತ್ರಿಕ ಸಹಾಯಕ ಅಭಿಯಂತರರು ಚಾಟರಾಯನಪುರ ಉಪ ವಿಭಾಗ ಬೆ ಮ ಪ ಯೋ ಕಾರ್ಯನಿರ್ವಾಹಕ ಅಭಿಯಂತರರು ಬ್ಯಾಟರಾಯನಪುರ ವಿಭಾಗ ಬೆ ಮ ಪ ಯೋ		IT — 39612 — KSR — 79223 — FSR — 118835 — Lwr — 19806 — CRF — 19981 — RCC — 26082 — Fine — 3000 — 288539=00			